Amendments to the Claims:

Following is a complete listing of the claims pending in the application, as amended:

- 1-53. (Cancelled)
- 54. (Previously Presented) A wafer processor for processing a wafer such as a semiconductor wafer, a magnetic disk, or an optical disk, comprising:
 - a processing bowl having an upper edge; and
 - a processor head comprising a motor and a wafer holder, the motor being carried above the wafer holder and operatively coupled to the wafer holder, the wafer holder being adapted to overlay a single wafer and support the single wafer about a periphery of the wafer with a process side of the wafer facing downward for rotation at a height below the upper edge of the processing bowl with the processor head extending outwardly of the periphery of the wafer.
- 55. (Previously Presented) The wafer processor of claim 54 wherein the processor head is adapted to be lifted with respect to the processing bowl.
- 56. (Previously Presented) The wafer processor of claim 54 wherein the wafer holder extends downwardly from an upper portion of the processor head to position a wafer below the upper portion of the processor head.
- 57. (Previously Presented) The wafer processor of claim 56 wherein the upper portion of the processor head extends outwardly of the periphery of the wafer.
- 58. (Previously Presented) The wafer processor of claim 56 wherein the upper portion of the processor head extends outwardly over the upper edge of the processing bowl.

- 59. (Previously Presented) The wafer processor of claim 56 wherein the motor is carried by the upper portion of the processor head.
- 60. (Previously Presented) The wafer processor of claim 56 wherein the motor is enclosed within the upper portion of the processor head.
- 61. (Previously Presented) The wafer processor of claim 54 wherein the processor head comprises an annular gas-receiving recess having a height above a height of a front surface of any wafer carried by the wafer support.
- 62. (Previously Presented) The wafer processor of claim 54 wherein the wafer support comprises a wafer support plate.
- 63. (Previously Presented) The wafer processor of claim 62 wherein the processor head has an upper portion which extends outwardly beyond the wafer support plate.
- 64. (Previously Presented) The wafer processor of claim 54 wherein the wafer support comprises an acid-resistant material.
- 65. (Previously Presented) The wafer processor of claim 64 wherein the acidresistant material comprises polyvinylidene fluoride.
- 66. (Previously Presented) The wafer processor of claim 54 wherein the wafer support comprises a wafer support plate having a downwardly directed front face and an upwardly directed back face.
- 67. (Previously Presented) The wafer processor of claim 66 wherein the wafer support plate carries a plurality of fingers adapted to engage a peripheral edge of a wafer.

- 68. (Previously Presented) The wafer processor of claim 67 wherein the fingers peripherally support the wafer.
- 69. (Previously Presented) A wafer processor for processing a wafer such as a semiconductor wafer, a magnetic disk, or an optical disk, comprising:
 - a processing bowl having an upper edge; and
 - a processor head comprising an upper portion housing a motor, a rotatable wafer support carried below the upper portion, a vertical shaft coupling the motor to the wafer support, and a mount carried by the upper portion, the wafer support being adapted to overlay and peripherally support a single wafer at a height below the upper edge of the processing bowl, the mount being adapted to facilitate lifting of the processor head with respect to the processing bowl.
- 70. (Previously Presented) The wafer processor of claim 69 wherein the wafer holder extends downwardly from the upper portion of the processor head to position a wafer below the upper portion of the processor head.
- 71. (Previously Presented) The wafer processor of claim 69 wherein the upper portion of the processor head extends outwardly of the periphery of the wafer.
- 72. (Previously Presented) The wafer processor of claim 69 wherein the upper portion of the processor head extends outwardly over the upper edge of the processing bowl.
- 73. (Previously Presented) The wafer processor of claim 69 wherein the motor is enclosed within the upper portion of the processor head.
- 74. (Previously Presented) The wafer processor of claim 69 wherein the processor head comprises an annular gas-receiving recess having a height above a height of a front surface of any wafer carried by the wafer support.

- 75. (Previously Presented) The wafer processor of claim 69 wherein the wafer support comprises a wafer support plate.
- 76. (Previously Presented) The wafer processor of claim 69 wherein the wafer support comprises an acid-resistant material.
- 77. (Previously Presented) The wafer processor of claim 76 wherein the acidresistant material comprises polyvinylidene fluoride.
- 78. (Previously Presented) The wafer processor of claim 69 wherein the wafer support comprises a wafer support plate having a downwardly directed front face and an upwardly directed back face.
- 79. (Previously Presented) The wafer processor of claim 78 wherein the wafer support carries a plurality of fingers adapted to engage a peripheral edge of a wafer.
- 80. (Previously Presented) The wafer processor of claim 79 wherein the fingers peripherally support the wafer.
- 81. (Previously Presented) A wafer processor for processing a wafer such as a semiconductor wafer, a magnetic disk, or an optical disk, comprising:
 - a processing bowl having an upper edge; and
 - a processor head comprising an upper portion, a motor enclosed within the upper portion, and a wafer holder extending downwardly from the upper portion, the motor being coupled to the wafer holder by a downwardly extending shaft, the wafer holder being adapted to overlay and peripherally support a single wafer at a height below the upper edge of the processing bowl with the upper portion of the processor head extending outwardly of the periphery of the wafer.

- 82. (Previously Presented) The wafer processor of claim 81 wherein the processor head includes a mount adapted to facilitate lifting of the processor head.
- 83. (Previously Presented) The wafer processor of claim 81 wherein the upper portion of the processor head extends outwardly over the upper edge of the processing bowl.
- 84. (Previously Presented) The wafer processor of claim 81 wherein the processor head comprises an annular gas-receiving recess having a height above a height of a front surface of any wafer carried by the wafer support.
- 85. (Previously Presented) The wafer processor of claim 81 wherein the wafer support comprises a wafer support plate.
- 86. (Previously Presented) The wafer processor of claim 85 wherein the processor head has an upper portion which extends outwardly beyond the wafer support plate.
- 87. (Previously Presented) The wafer processor of claim 81 wherein the wafer support comprises an acid-resistant material.
- 88. (Previously Presented) The wafer processor of claim 87 wherein the acidresistant material comprises polyvinylidene fluoride.
- 89. (Previously Presented) The wafer processor of claim 81 wherein the wafer support comprises a wafer support plate having a downwardly directed front face and an upwardly directed back face.

- 90. (Previously Presented) The wafer processor of claim 89 wherein the wafer support plate carries a plurality of fingers adapted to engage a peripheral edge of a wafer.
- 91. (Previously Presented) The wafer processor of claim 90 wherein the fingers peripherally support the wafer.
- 92. (Previously Presented) A wafer processor for processing a wafer such as a semiconductor wafer, a magnetic disk, or an optical disk, comprising:
 - a processing bowl having an upper edge; and
 - a processor head comprising:
 - a motor carried in an upper housing;
 - a downwardly extending shaft coupled to the motor
 - a wafer holder coupled to and extending downwardly from the shaft, the wafer holder being adapted to overlay and peripherally support a single wafer for rotation by the motor at a height below the upper edge of the processing bowl.
- 93. (Previously Presented) The wafer processor of claim 92 wherein the processor head includes a mount adapted to facilitate lifting of the processor head.
- 94. (Previously Presented) The wafer processor of claim 92 wherein the upper portion of the processor head extends radially outwardly over and around the upper edge of the processing bowl.
- 95. (Previously Presented) The wafer processor of claim 92 wherein the processor head comprises an annular gas-receiving recess having a height above a height of a front surface of any wafer carried by the wafer support.
- 96. (Previously Presented) The wafer processor of claim 92 wherein the wafer support comprises a wafer support plate.

- 97. (Previously Presented) The wafer processor of claim 96 wherein the processor head has an upper portion which extends outwardly beyond the wafer support plate.
- 98. (Previously Presented) The wafer processor of claim 92 wherein the wafer support comprises an acid-resistant material.
- 99. (Previously Presented) The wafer processor of claim 98 wherein the acidresistant material comprises polyvinylidene fluoride.
- 100. (Previously Presented) The wafer processor of claim 92 wherein the wafer support comprises a wafer support plate having a downwardly directed front face and an upwardly directed back face.
- 101. (Previously Presented) The wafer processor of claim 100 wherein the wafer support plate carries a plurality of fingers adapted to engage a peripheral edge of a wafer.
- 102. (Previously Presented) The wafer processor of claim 101 wherein the fingers peripherally support the wafer.
- 103. (Withdrawn Previously Presented) A method of handling a wafer, comprising:

providing a wafer processor comprising a processing bowl and a processor head, the processing head including a wafer support;

releasably engaging a periphery of a wafer with the wafer support;

positioning the wafer at a height below an upper edge of the processing bowl with the wafer support extending downwardly from a location positioned above the upper edge of the processing bowl, the processing head overlying the wafer and supporting the periphery of the wafer to hold the wafer face down;

rotating the wafer at the height below the upper edge of the processing bowl; and lifting the processing head.

- 104. (Previously Presented) An apparatus for handling a wafer, comprising: a processing head including a wafer support;
- a wafer processor comprising a processing bowl and a processor head;

means for releasably engaging a periphery of a wafer with the wafer support;

means for positioning the wafer at a height below an upper edge of the processing bowl with the wafer support extending downwardly from a location positioned above the upper edge of the processing bowl, the processing head overlying the wafer and supporting the periphery of the wafer to hold the wafer face down;

means for rotating the wafer at the height below the upper edge of the processing bowl; and

means for lifting the processing head.

- 105. (Previously presented) The wafer processor of claim 92, further comprising:
 - a spray processing vessel defined by the processing bowl;
 - a spray-head mounted within the spray processing vessel for directing a spray of coating upon a single wafer being held face down by the wafer holder, the spray-head being moveable relative to the spray processing vessel and relative to the wafer holder to allow the spray-head to be directed to different areas of the wafer;
 - a gas conduit for delivering a carrier gas to the spray-head;
 - a coating conduit for delivering a coating material to the spray-head;
 - a coating metering pump for delivering a precise quantity of the coating material to the spray head; and
 - a coating viscosity control for controlling viscosity of the coating material applied by the spray-head.

- 106. (Previously presented) The wafer processor of claim 92 wherein the processor head further comprises a wafer plate that overlays the wafer and a circular shroud over the motor.
- 107. (Previously presented) The wafer processor of claim 92, further comprising:

gripping fingers arranged to engage the periphery of the wafer; and actuator means to pivotally move the gripping fingers to engage/disengage the periphery of the wafer.

108. (Previously presented) The wafer processor of claim 107 further comprising flexible support diaphragms sealingly engaged with corresponding gripping fingers.